KOBRA DRIVE VS (KDVS)

Managed via R&S®Trusted Objects Manager for HDD/SSD encryption at German VS-NfD, EU & NATO RESTRICTED classification levels


Description

Reliable security management systems allow the military, government agencies and companies to easily manage products and certificates. Rohde & Schwarz Cybersecurity offers security management systems that are not only tailored to specific solutions and customer requirements but also meet the strictest security standards.

The systems are intuitive, easy to use, and simple to install and feature centralized administration and user-centric processes. A secure web interface lets your IT staff manage the entire operational lifecycle of the products across locally distributed endpoints. You can also take advantage of the optional integrated PKI, which is fully under your control without any third-party dependencies.

The R&S®Trusted Objects Manager is a central management system recommended by the German Federal Office for Information Security (BSI) for anyone processing data at the German VS-NfD, EU RESTRICTED, and NATO RESTRICTED levels. The R&S®Trusted Objects Manager can also manage encrypted hard disks using KOBRA Drive VS.
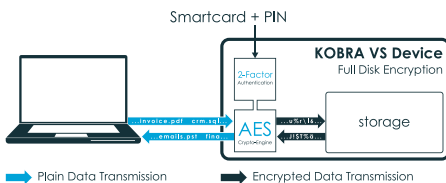
The KOBRA Drive VS is an encrypted external hard drive that lets military, government and corporate users save, archive, and securely transport sensitive, personal and classified data at the German VS-NfD, EU RESTRICTED, and NATO RESTRICTED levels in compliance with the EU GDPR and German BDSG.

In addition to R&S®Smart cards, you can also use PKI based company, service, and military ID cards for authentication purposes. In terms of confidentiality, this ensures that any data stored on a KOBRA Drive VS is protected against unauthorized access in the event of loss or theft.

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R&S®TRUSTED OBJECTS MANAGER

Overview

Key features KOBRA Drive VS

▶ **Full-disk encryption**
256 bit AES full-disk hardware encryption in XTS mode using two 256 bit cryptographic keys; approved by the German Federal Office for Information Security (BSI) for German VS-NfD, EU RESTRICTED, and NATO RESTRICTED – BSI-VSA-10338.

▶ **Access control**
Two-factor authentication using a smart card and PIN based on the "something you have and something you know" principle.

▶ **Crypto key management**
Users manage cryptographic keys, creating, changing and destroying keys as needed

Key features R&S®Trusted Objects Manager

▶ **Maximum security thanks to an optional public key infrastructure (PKI)**
You can integrate a public key infrastructure (PKI) via the R&S®Trusted Objects Manager for improved data confidentiality, integrity, and authenticity.

▶ **Intuitive and easy to use**
IT administrators can use a secure web interface to manage the entire operating cycle of R&S cybersecurity components, including the KOBRA Drive VS.

▶ **VS-NfD, EU & NATO RESTRICTED**
Certified by the German Federal Office for Information Security (BSI) and approved for German VS-NfD, EU RESTRICTED, and NATO RESTRICTED data.

KOBRA Drive VS features

Security functions

▶ Role differentiation between administrator and user
▶ Kobra Client VS administration software
▶ External generation and calculation of cryptographic keys on the smart card
▶ Up to 10 smart cards (PKI cards) can be integrated
▶ Automatic encryption of all data in real time
▶ Automatic formatting after a key change
▶ Write protection mechanism
▶ Time-out function (1 to 30 minutes)
▶ Lock-out and quick-out functions
▶ Sturdy metal housing with splash protection

Technical information

▶ Native integrated power supply
▶ Execution of many functions without PC connection
▶ Easy to use, maintenance and support-free
▶ Modern USB-C connection
▶ Compatible with USB 3.0 and 2.0
▶ Compatible with any operating system, bootable
▶ No performance limitations
▶ Read/write speeds: SSD up to 200 MB/sec, HDD up to 80 MB/sec
▶ Capacities Drive: HDD: 1 TB, 2 TB, SSD: 1 TB, 2 TB, 4 TB, 8 TB and 16 TB
▶ Capacities Stick: 16 GB – 512 GB
▶ Weight: 415 g (HDD), 363 g (SSD)
▶ Dimensions:13.2 cm x 7.7 cm x 2.1 cm
▶ Includes: KOBRA Drive VS, smart card (optional), USB-C to USB 3.0 type A cable, quick start guide